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*North America's Leader in Hazardous Material Information Management*  
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## MSDS PRODUCT INFORMATION

Date: 10/07/2005  
To: MSDS Requester  
From: 3E Company  
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☒ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☐ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Behr Process Corporation  
Product Name: Blk Lamp Black 16904 (DISCONTINUED)

Code: 790-189  
Date: 07 FEB 1995  
Printed: 07 MAR 1995

## ENGELHARD MATERIAL SAFETY DATA SHEET

Product: BLK LAMP BLACK No. 16904

### SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common Name : UNIVERSAL DISPERSION OF C.I. PIGMENT BLACK 6  
Chemical Name : UNIVERSAL DISPERSION OF C.I. PIGMENT BLACK 6  
Formula : CHEMICAL MIXTURE  
Product CAS No.: CHEMICAL MIXTURE  
Product Use : Industrial pigment

Supplier : ENGELHARD CORPORATION, SPECIALTY MINERALS AND COLORS GROUP  
Address : 101 WOOD AVENUE  
City, St, Zip : ISELIN, NJ 08830-0770  
Phone : 1-908-205-6933 FOR CUSTOMER SERVICE  
1-502-775-7288 FOR ENVIRONMENT, HEALTH, AND SAFETY

FOR CHEMICAL EMERGENCY CALL CHEMTREC (24 HOURS):  
1-800-424-9300 (US, Canada, Puerto Rico, Virgin Islands)  
1-202-483-7616 (Outside Above Area)

### SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENT        | CAS NO.   | % Wt. |
|-------------------|-----------|-------|
| DIETHYLENE GLYCOL | 111-46-6  | 15-25 |
| ETHYLENE GLYCOL   | 107-21-1  | 5-10  |
| LAMPBLACK         | 1333-86-4 | 10-20 |

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|                          |            |       |
|--------------------------|------------|-------|
| MAGNESIUM SILICATE       | 14807-96-6 | 20-30 |
| WATER                    | 7732-18-5  | 15-25 |
| ETHOXYLATED NONYL PHENOL | 9016-45-9  | 1-5   |
| CALCIUM CARBONATE        | 1317-65-3  | 10-20 |

NOTE: See Section VIII for Exposure Limits and Section XI for Toxicological Information.

**SECTION III: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

Black liquid

Odorless

Flash Point: Not Determined

Causes eye and skin irritation and may cause burns.  
Harmful if inhaled, swallowed or absorbed through the skin.  
Overexposure may cause gastrointestinal tract, central nervous system and kidney function disturbances.  
Inhalation causes irritation of the respiratory tract, dizziness and drowsiness.  
Not a fire or explosion hazard.

**ROUTES OF ENTRY**

Eyes? YES

Skin? YES

Inhalation? YES

Ingestion? YES

**POTENTIAL HEALTH EFFECTS**

EYE CONTACT causes irritation and may cause burns.

SKIN CONTACT: Prolonged or repeated contact may cause irritation.  
Toxic amounts may be absorbed through the skin.

INHALATION: At room temperatures, exposures to vapors or mists are unlikely. Higher temperatures may generate vapors or mists sufficient to cause drowsiness and headache.

INGESTION may cause gastrointestinal irritation and kidney damage due to

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DIETHYLENE GLYCOL content. ETHYLENE GLYCOL content may cause central nervous system depression, blood changes, and kidney damage.

NOTE: Laboratory animal studies indicate that GLYCOL ETHERS may cause reproductive effects.

NOTE: In laboratory animals, inhalation and/or ingestion of ETHYLENE GLYCOL has caused fetal effects.

NOTE: Inhalation of vapor and/or mist may be significant if material is heated or agitated/sprayed.

**CARCINOGENICITY**

NTP? NO

IARC? NO

OSHA? NO

**CHRONIC HEALTH HAZARDS**

Excessive exposure by any route may cause degeneration of the kidney and, to a lesser extent, the liver. In animal studies, formation of bladder stones and secondary bladder cancer has been observed.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

May adversely affect existing medical conditions such as renal, hepatic and neurological disorders.

NOTE: See Section VIII for Exposure Limits, Section XI for Toxicological Information and Section XII for Ecological Information.

|                                       |
|---------------------------------------|
| <b>SECTION IV: FIRST AID MEASURES</b> |
|---------------------------------------|

**EYE CONTACT:** Flush eyes with plenty of water. If irritation develops, call a physician.

**SKIN CONTACT:** Procedures normally not needed. If skin contact occurs flush with plenty of water. If irritation develops, call a physician.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician.

**INGESTION:** Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration.

**SECTION V: FIRE-FIGHTING MEASURES**

Flash Point: Not Determined  
Auto-Ignition: Not Determined  
LEL: Not Determined  
UEL: Not Determined

**NFPA HAZARD CLASSIFICATION**

Health: 1                      Flammable: 0                      Reactivity: 0

**HMIS HAZARD CLASSIFICATION**

Health: 2\*                      Flammable: 0                      Reactivity: 0

\* Indicates the possibility of chronic health effects. See Chronic Health Hazards in Section III for more information.

**EXTINGUISHING MEDIA**

Use water, carbon dioxide or foam.

**SPECIAL FIRE FIGHTING PROCEDURES**

Wear NIOSH/MSHA approved positive-pressure self-contained breathing apparatus and protective clothing as specified in 29 CFR 1910.156.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Not a fire or explosion hazard.

**SECTION VI: ACCIDENTAL RELEASE MEASURES**

Contain spillage, soak up with inert absorbent and scoop into container for disposal. Notification of the National Response Center (800/424-8802) may be required. Refer to EPA, DOT and applicable state and local regulations for current response information.

It is recommended that each user establish a spill prevention, control and countermeasure plan (SPCC). Such plan should include procedures applicable to proper storage, control and clean-up of spills, including reuse or disposal as appropriate (see Section XI: Disposal Considerations).

**\*\*NOTE\*\*** In the event of an accidental release of this material, the

above procedures should be followed. Additionally proper exposure controls and personal protection equipment should be used (see Section VIII - Exposure Control/Personal Protection) and disposal of the material should be in accordance with Section XI - Disposal Considerations.

**SECTION VII: HANDLING AND STORAGE**

Wash thoroughly after handling.  
Keep away from food and feed products.  
Keep container closed.  
Protect from freezing.

Avoid breathing vapors or mists.

Avoid contact with eyes, skin and clothing.

Use only with adequate ventilation.

**SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION**

| EXPOSURE LIMITS<br>INGREDIENT                  | PEL-OSHA  | TLV-ACGIH   |
|--|---|---|
| DIETHYLENE GLYCOL<br>CAS NO.: 111-46-6         | None Established  | None Established  |
| ETHYLENE GLYCOL<br>CAS NO.: 107-21-1           | 50 ppm Ceiling  | 50 ppm Ceiling  |
| LAMPBLACK<br>CAS NO.: 1333-86-4                | 3.5 mg/m <sup>3</sup>   | 3.5 mg/m <sup>3</sup>   |
| MAGNESIUM SILICATE<br>CAS NO.: 14807-96-6      | 2 mg/m <sup>3</sup><br>(Containing no<br>asbestos fibers,<br>respirable dust) | 2 mg/m <sup>3</sup><br>(Containing no<br>asbestos fibers,<br>respirable dust) |
| WATER<br>CAS NO.: 7732-18-5                    | None Established  | None Established  |
| ETHOXYLATED NONYL PHENOL<br>CAS NO.: 9016-45-9 | None Established  | None Established  |

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CALCIUM CARBONATE  
CAS NO.: 1317-65-3

15 mg/m<sup>3</sup> (Total dust)  
5 mg/m<sup>3</sup>  
(Respirable dust)

NOTE: Lampblack is not expected to be a hazard in liquid phase. Unless otherwise noted, all values are reported as 8-hour Time-Weighted Averages (TWAs) and total dust (particulates only). All ACGIH TLVs refer to the 1994-95 Standards. All OSHA PELs refer to 29 CFR Part 1910 Air Contaminants: Final Rule, January 19, 1989\*.  
\*NOTE: As a result of the July 7, 1992 decision by the U.S. Circuit Court of Appeals (AFL-CIO v. OSHA) to vacate the 1989 PELs, OSHA will no longer enforce these new limits and will return to the pre-1989 PELs. Engelhard, however, will continue to list the more protective 1989 levels.

**RESPIRATORY PROTECTION**

A NIOSH/MSHA-approved respirator as necessary.

**VENTILATION**

General; local exhaust as necessary to control vapors and/or mists.

**PROTECTIVE EQUIPMENT**

Chemical goggles.  
Rubber or neoprene gloves.

**PERSONNEL SAMPLING PROCEDURE**

For ETHYLENE GLYCOL: Refer to NIOSH Manual of Analytical Methods, 3<sup>rd</sup> Edition, Volume 1, Method 5500.

|   |
|---|
| <b>SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES</b> |
|---|

Boiling Point: Not Applicable  
Specific Gravity (H<sub>2</sub>O=1): 1 to 2  
Melting Point: Not Applicable  
Vapor Pressure (mm Hg): < 17.5 mm Hg at 20°C  
Vapor Density (Air=1): Not Applicable  
Evaporation Rate (Butyl Acetate=1): Much < 1  
% Solubility In Water: Dispersible  
Appearance: Black liquid  
Odor: Odorless  
pH: 8 to 10

**SECTION X: STABILITY AND REACTIVITY**

**Stability:** Generally considered stable.  
**Avoid:** None expected.

**INCOMPATIBILITY (Materials to Avoid)**

None expected.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS**

None expected.

**Polymerization:** Polymerization is not expected to occur.  
**Avoid:** Not applicable.

**SECTION XI: TOXICOLOGICAL INFORMATION**

| CHEMICAL NAME                                  | % Wt. | LD50                          | LC50           |
|--|-------|-------------------------------|----------------|
| DIETHYLENE GLYCOL<br>CAS NO.: 111-46-6         | 15-25 | 21,000 mg RAT,<br>oral        | Not Determined |
| ETHYLENE GLYCOL<br>CAS NO.: 107-21-1           | 5-10  | 5,500 mg/kg<br>CHILD, oral    | Not Determined |
| LAMPBLACK<br>CAS NO.: 1333-86-4                | 10-20 | 120 mg/kg RAT,<br>intravenous | Not Available  |
| MAGNESIUM SILICATE<br>CAS NO.: 14807-96-6      | 20-30 | Not Available                 | Not Available  |
| WATER<br>CAS NO.: 7732-18-5                    | 15-25 | Not Available                 | Not Available  |
| ETHOXYLATED NONYL PHENOL<br>CAS NO.: 9016-45-9 | 1-5   | 1,310 mg/kg RAT,<br>oral      | Not Available  |
| CALCIUM CARBONATE<br>CAS NO.: 1317-65-3        | 10-20 | Not Available                 | Not Available  |



NOTE: See Sections III, VIII and XII for additional information.

**SECTION XII: ECOLOGICAL INFORMATION**

**ECOTOXICITY**

No data available.

**ENVIRONMENTAL FATE**

No data available.

**SECTION XIII: DISPOSAL CONSIDERATIONS**

US EPA Waste Number: Not Regulated

Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary). Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

**\*\*NOTE\*\*** Chemical additions, processing or otherwise altering this material may make the waste management information presented above incomplete, inaccurate or otherwise inappropriate.

As local regulations may vary; all waste must be disposed/recycled/reclaimed in accordance with federal, state, and local environmental control regulations.

**SECTION XIV: TRANSPORT INFORMATION**

**INTERNATIONAL**

UN Number: Not Regulated

**UNITED STATES**

EPA Waste Number: Not Regulated

DOT Classification: Not Regulated

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**CANADA**

PIN Number: Not Regulated  
TDG Class: Not Regulated

**EC**

DGL: Not Determined

**SECTION XV: REGULATORY INFORMATION**

**US FEDERAL REGULATIONS**

**TSCA:** IN TSCA

**SARA 311 AND 312 HAZARD CATEGORIES**

IMMEDIATE (Acute) Health Hazard: YES  
DELAYED (Chronic) Health Hazard: YES  
FIRE Hazard: NO  
REACTIVITY Hazard: NO  
Sudden Release of PRESSURE: NO

**SARA SECTION 313 NOTIFICATION**

This product contains a toxic chemical (or chemicals) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

| CHEMICAL NAME   | CAS Number | % Wt. |
|-----------------|------------|-------|
| ETHYLENE GLYCOL | 107-21-1   | 5-10  |

**OZONE DEPLETING SUBSTANCES (ODS)**

This product neither contains nor is manufactured with an ozone depleting substance subject to the labelling requirements of the Clean Air Act Amendments 1990 and 40 CFR Part 82.

**VOLATILE ORGANIC COMPOUNDS (VOC)**

400 g/L

**US STATE REGULATIONS**

VOLATILE ORGANIC COMPOUND (CARB): 549 g/L

**CANADIAN REGULATIONS**

DSL/NDSL: NDSL  
WHMIS Classification: Not Determined

**EUROPEAN REGULATIONS**

EINECS: Yes

**OTHER REGULATIONS**

MITI: No

AICS: Yes

|                                       |
|---------------------------------------|
| <b>SECTION XVI: OTHER INFORMATION</b> |
|---------------------------------------|

**REVISIONS**

Revision Number: 7

This MSDS has been revised in the following section(s):

SECTION XV: REGULATORY INFORMATION

**PREPARATION INFORMATION**

Prepared By: Corporate Environment, Health & Safety Group  
Phone Number: See Section I

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The information in this Material Safety Data Sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, and management and for persons working with or handling this product. The information presented in the MSDS is premised upon proper handling and anticipated uses and is for the material without chemical additions/alterations. We believe this information to be reliable and up-to-date as of the date of publication, but make no warranty that it is. Additionally, if this Material Safety Data Sheet is more than three years old, please contact the supplier at the phone number listed in Section I to make certain that this sheet is current. Copyright Engelhard Corporation. License granted to make unlimited copies for internal use only. End of MSDS.....